

इंटरनेट

मानक

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IS 8094 (1976): Hook, Cerumen, Cawthorne's Pattern [MHD 4: Ear, Nose and Throat Surgery Instruments]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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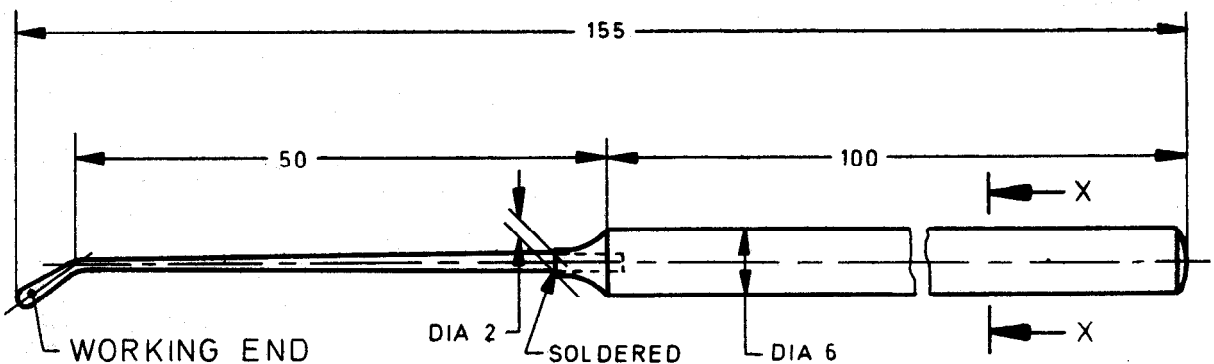
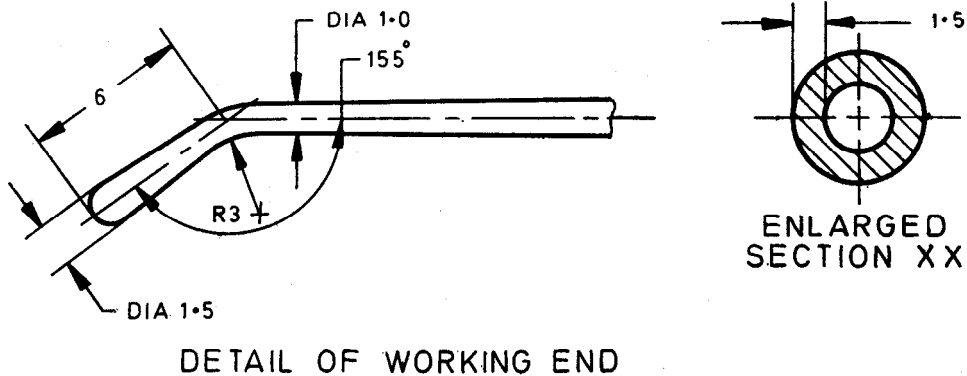


Indian Standard

SPECIFICATION FOR HOOK, CERUMEN, CAWTHORNE'S PATTERN

1. Scope — Covers dimensional and other requirements for Cawthorne's pattern cerumen hook, used in ENT surgery.

2. Shape and Dimensions — As shown in Fig. 1.



All dimensions in millimetres. →

FIG. 1 HOOK, CERUMEN, CAWTHORNE'S PATTERN

2.1 A deviation of ± 2.5 percent shall be allowed on all dimensions.

3. Materials

3.1 Hook — The hook portion shall be made from stainless steel conforming to Designation 30Cr13 of IS : 6603-1972 'Specification for stainless steel bars and flats'.

3.2 Handle — The handle shall be made from brass conforming to Designation CuZn40 of IS : 410-1967 'Specification for rolled brass plate, sheet, strip and foil (second revision)'.

4. Workmanship and Finish

4.1 The surfaces of the hook shall be free from pits, dents, burrs, scale and other defects.

4.2 All the edges shall be even and rounded.

4.3 The silver soldering shall be neat and sound and joints shall be finished smooth.

Adopted 5 May 1976

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Price, Rs 5.00

4.4 The stainless steel parts shall be polished bright and passivated.

4.5 The hook end shall be accurately shaped without any sharp edges.

4.6 The handle shall be plated chromium over nickel conforming to Grade 2 of IS : 4827-1968 'Specification for electroplated coatings of nickel and chromium on copper and copper alloys'.

5. Heat Treatment — The hook shall be hardened and tempered to a hardness of 450 to 500 *HV*, when measured as near the tip as possible.

6. Tests

6.1 Flexibility Test — Grip the hook in a suitable vice so that the working end projects about 40 mm from the vice in the horizontal plane. Apply a force to the end so that the shaft deflects by 5 mm as measured at the end in the horizontal plane. The hook shall not show any damage or permanent set after the test.

6.2 Corrosion Resistance Test — The instrument shall satisfy the boiling and autoclaving test as mentioned in IS : 7531-1975 'Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments'.

6.3 Leakage Test for Handle — The handle including the soldered portion of the hook shall be immersed in boiling paraffin wax for 2 minutes. There shall not be any air bubbles visible on the surface of the liquid.

7. Marking — The hook shall be marked with the manufacturer's name, initials or registered trademark.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution.

8. Packing — The hook shall be wrapped in moisture-proof paper or packed in polyethylene bags avoiding contact with one another. The hook may also be packed as agreed to between the purchaser and the supplier.